

Fig. 1

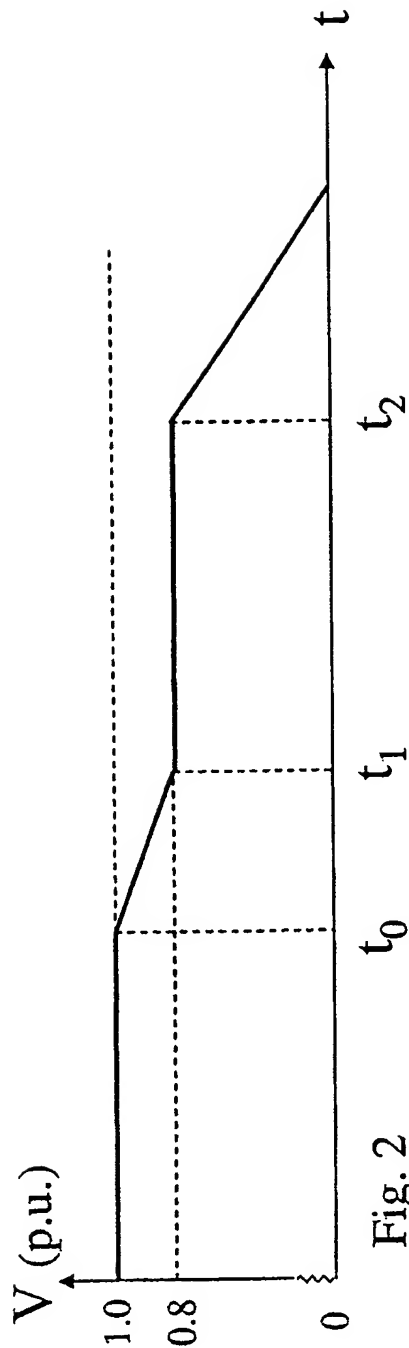


Fig. 2

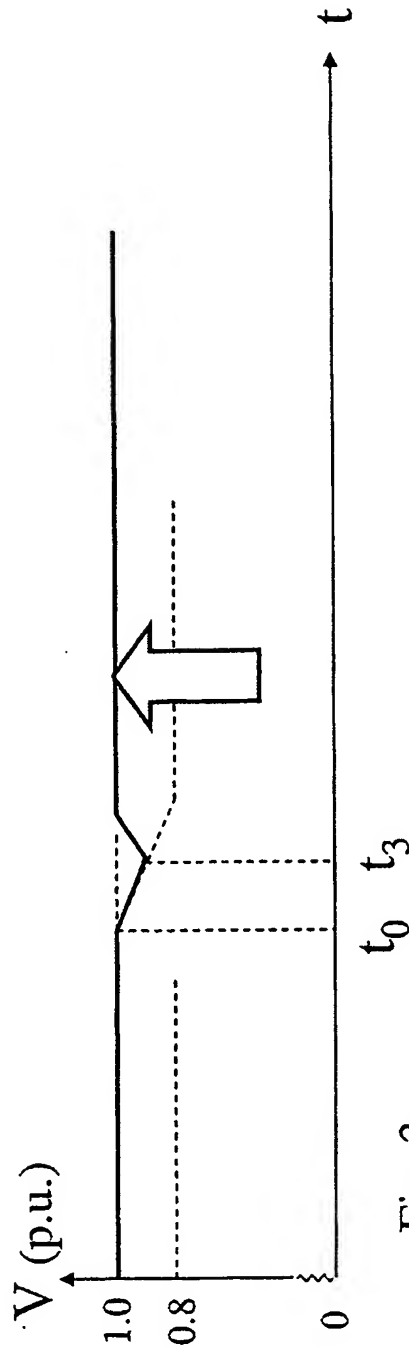


Fig. 3

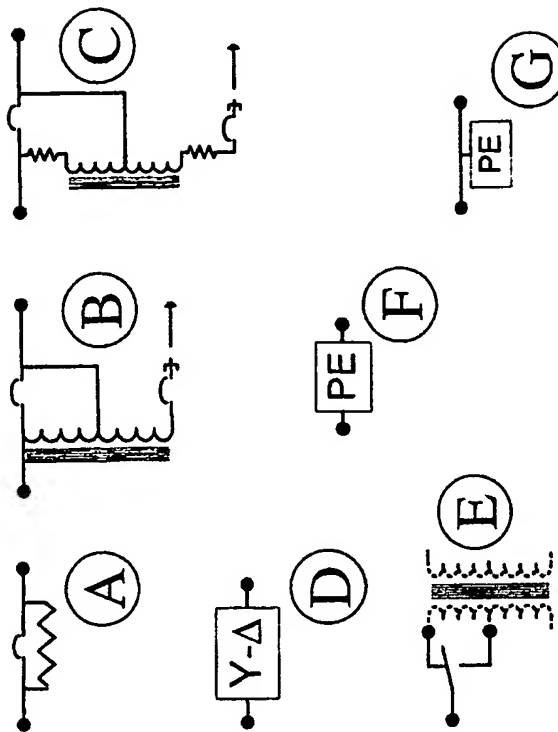


Fig. 5

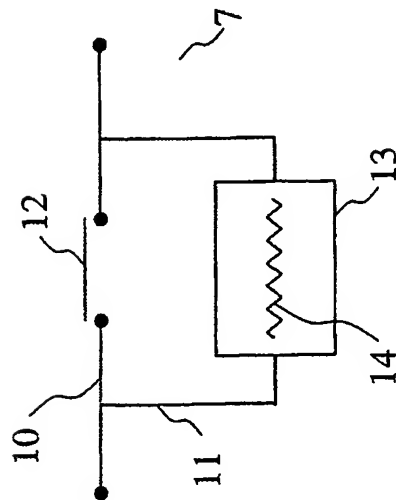


Fig. 4

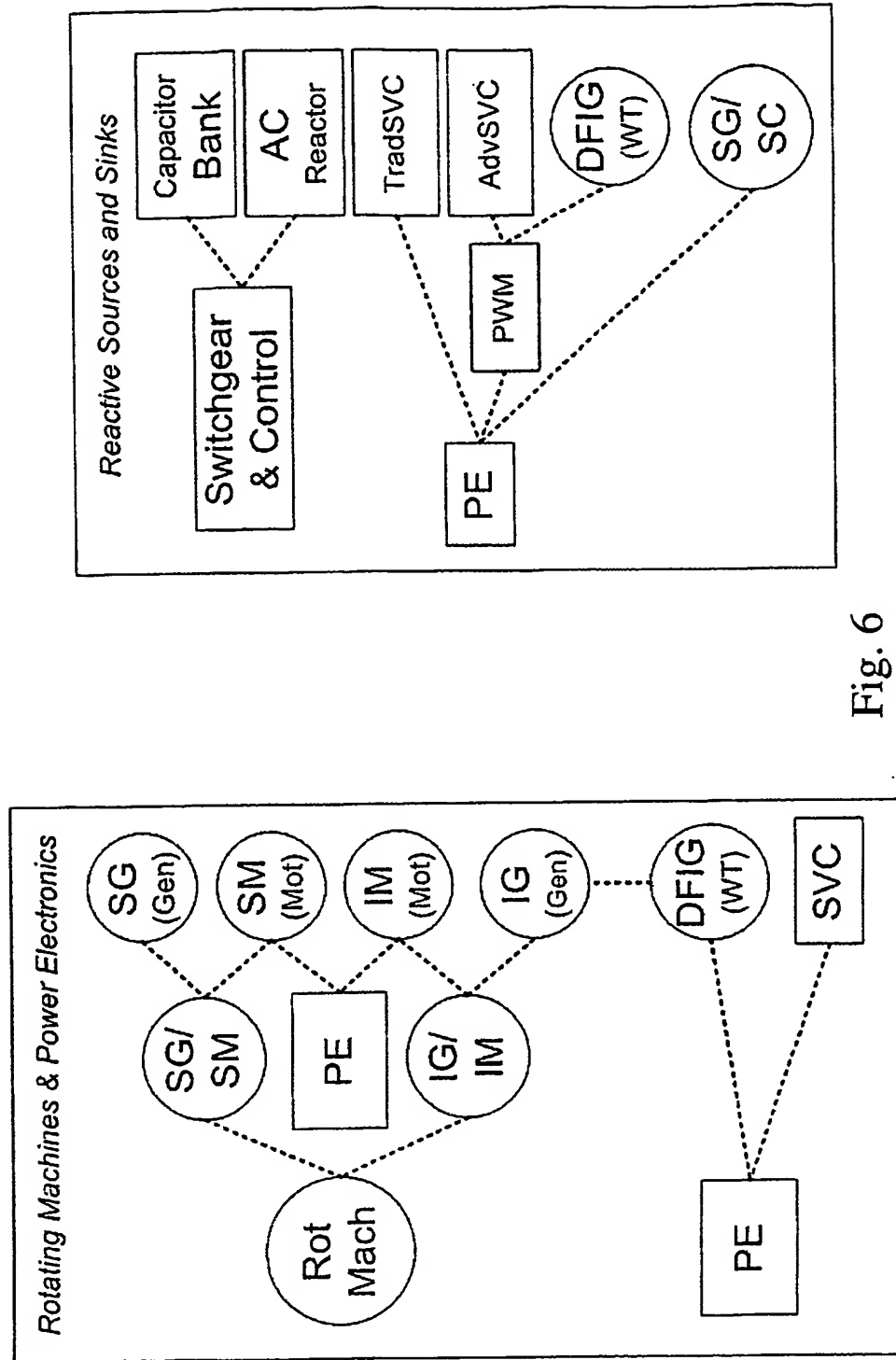
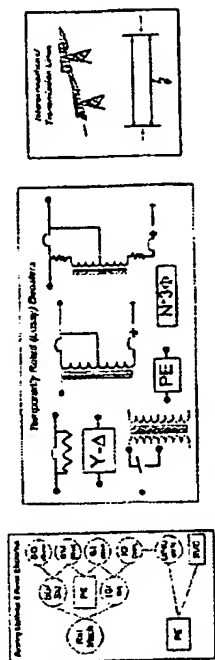


Fig. 6



	1	Motors Elect. to Mech. Conversion	Motors/Generators	Generators Mech. to Elect. Conversion
Non-synchronous Speed	2	IM/AM Induction Motors/ Asynchronous Motors	IM/AM Induction Machines/ Asynchronous Machines	IG/AG Induction Generators/ Asynchronous Generators
Synchronous Speed	3	SM Synchronous Motors	SM Synchronous Machines "One Excitation Converter"	SG Synchronous Generators
Dynamic Phase Shift	4	D+Q (Two field windings)	"Two Excitation Converters"	D+Q (Two field windings)
Variable Speed (ASDs)	5a	Partly-Rated ASDs	"Excitation & Slip Power Converter"	DFIG/DFSG (Double-Fed)
Total conversion systems	5b	Partly-Rated ASDs	"Armature Power Converter"	DD, IS, ... (Fully-Rated)

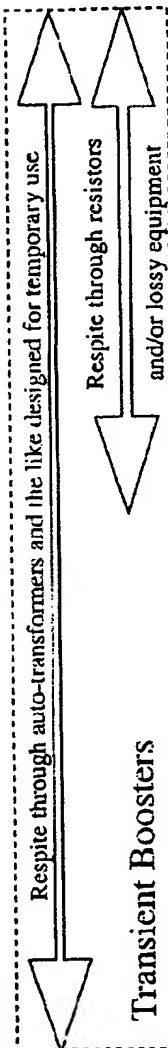


Fig. 7

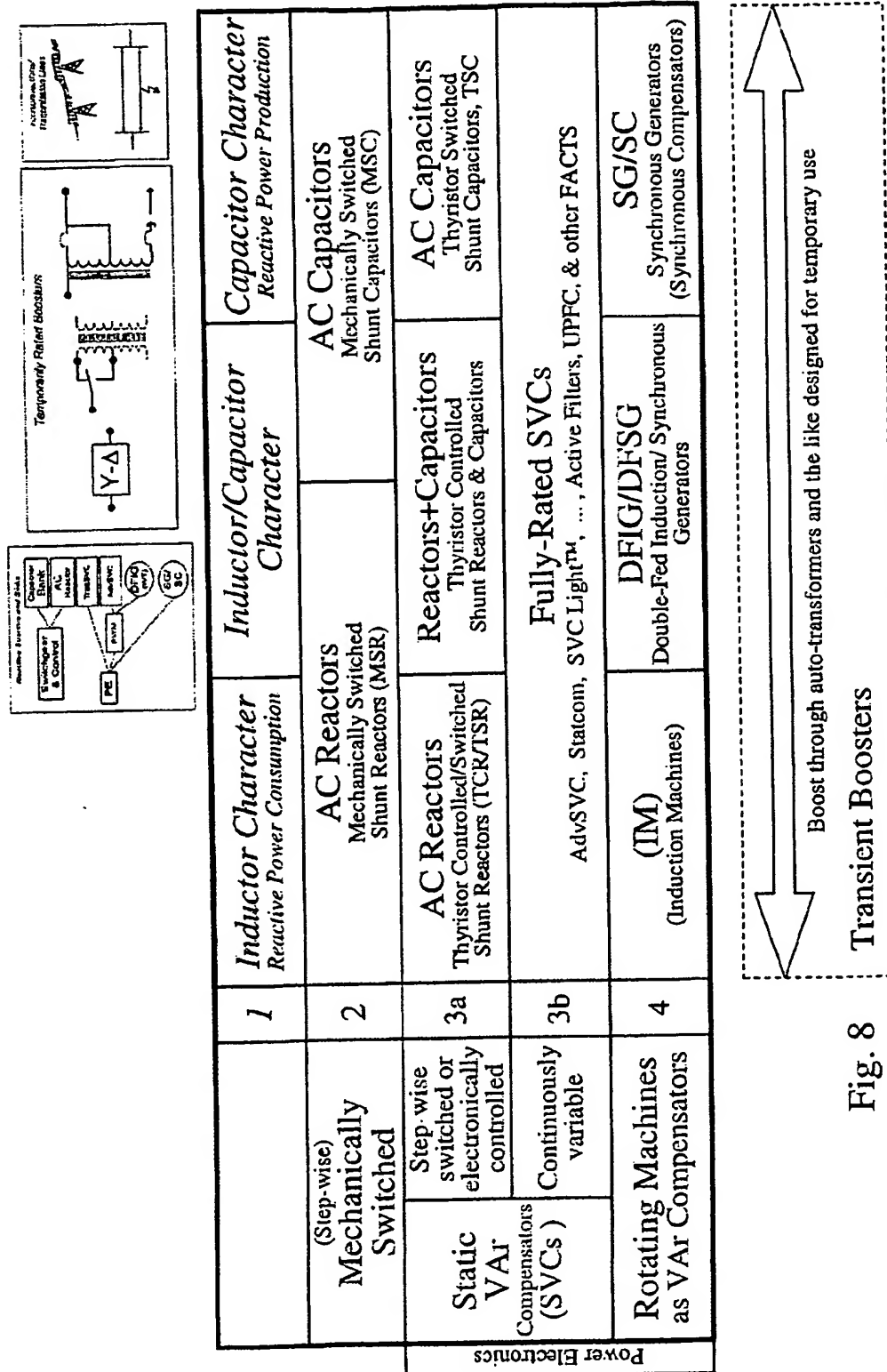


Fig. 8

Fig. 9

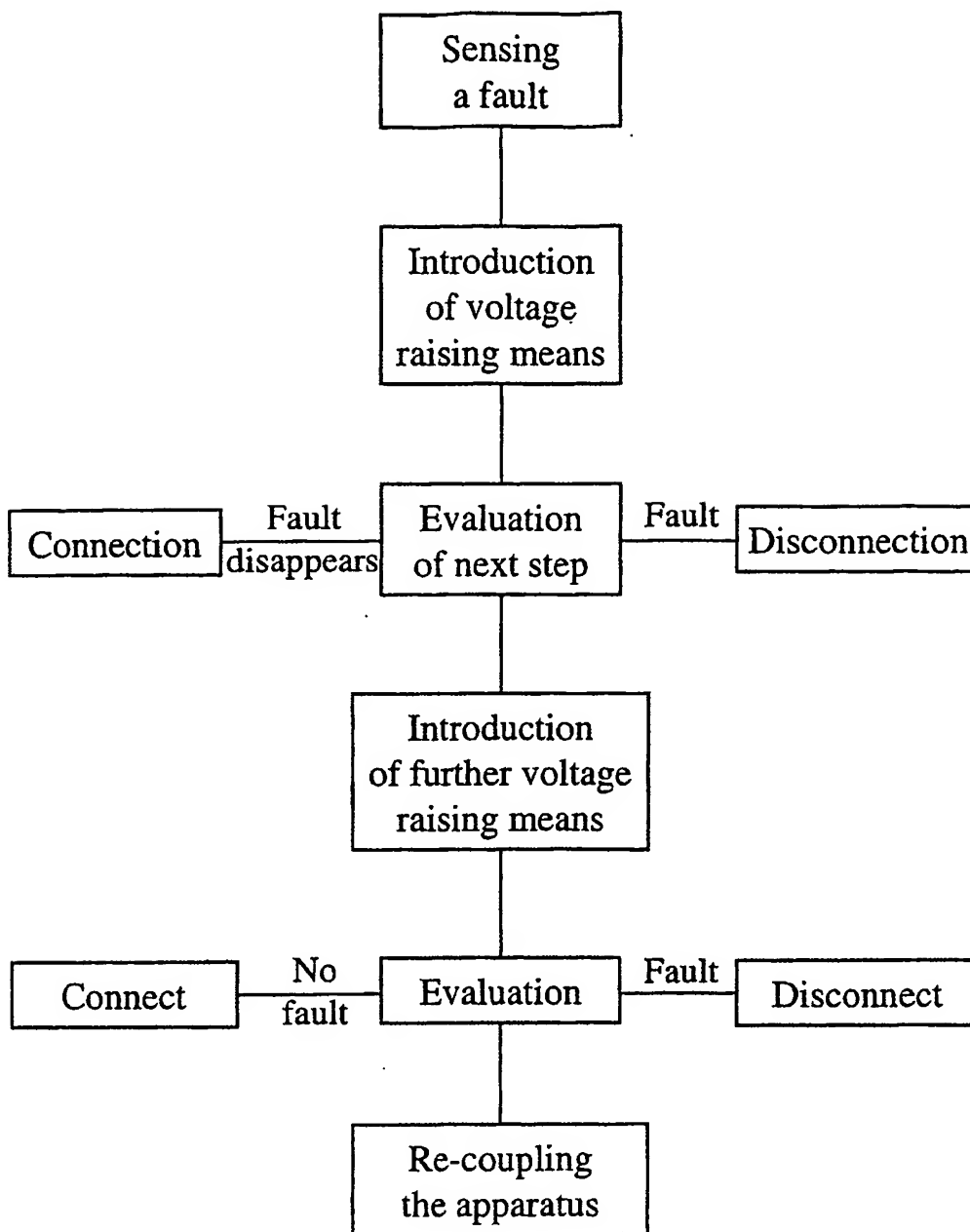


Fig. 10

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